

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number
WO 2005/032838 A1

- (51) International Patent Classification⁷: **B41M 5/30**
- (21) International Application Number:
PCT/GB2004/004161
- (22) International Filing Date:
29 September 2004 (29.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0322907.7 30 September 2003 (30.09.2003) GB
- (71) Applicant (for all designated States except US): **ARJO WIGGINS LIMITED** [GB/GB]; St. Clement House, Alencon Link, Basingstoke, Hampshire RG21 7SB (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **WARD-ASKEY, Andrew** [GB/GB]; 39 Maryside, Langley, Berks SL3 7ES (GB). **COOPER, John, Brian** [GB/GB]; The House at Pooh Corner, Home Lane, Sparsholt, Nr Winchester, Hants SO21 2NN (GB). **HOBSON, Michael, Eric** [GB/GB]; 5 Bell Crescent, Longwick, Bucks HP27 9SE (GB).
- (74) Agents: **SCOTT, Susan, Margaret et al.**; Abel & Imray, 20 Red Lion Street, London WC1R 4PQ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS IN THERMAL PAPER

(57) Abstract: A method of preparing a thermally printable sheet which comprises providing a substrate comprising a base sheet having at least one surface coated with a layer containing a pigment in solid porous particulate form, and, using a printer, printing onto the coated surface of said substrate, a thermal ink which comprises a colour former, a colour developer and a sensitizer, characterised in that the sensitizer comprises dimethyl terephthalate, and that the ink also comprises at least one pigment. A novel thermally printable sheet suitable for use in such method is also provided.

WO 2005/032838 A1